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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/799,782	03/15/2004	Axel Ullrich	017853-0145	9104
75	90 12/08/2010		EXAM	INER
AXEL ULLRICH	I		SPECTOR, I	LORRAINE
TURKENSTRASS			ART UNIT	PAPER NUMBER
MUNCHEN, 8079 GERMANY	9		1647 DATE MAILED: 12/08/201	0



# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application-filed on or after May 29, 2000)

The Patent Term Adjustment to date is 106 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 106 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

## NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

12/08/2010

AXEL ULLRICH TURKENSTRASSE 104 MUNCHEN, 80799 GERMANY EXAMINER

SPECTOR, LORRAINE

ART UNIT

PAPER NUMBER

1647

DATE MAILED: 12/08/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/799,782	03/15/2004	Axel Ullrich	017853-0145	9104

TITLE OF INVENTION: CELL LINE COMPRISING VECTOR ENCODING TRUNCATED FLK-1 RECEPTOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/08/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
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- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

## PART B - FEE(S) TRANSMITTAL

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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	DR.	ATTOR	NEY DOCKET NO.	CONFIRMATION NO.
10/799,782	03/15/2004		Axel Ullrich		(	017853-0145	9104
TITLE OF INVENTION	N: CELL LINE COMPRI	SING VECTOR ENCOD	ING TRUNCATED FLI	K-1 RECEPTOR			
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUI	E PREV. PAID ISSU	e cee T	TOTAL FEE(S) DUE	DATE DUE
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CFR 1.363).		`	2. For printing on the (1) the names of up	to 3 registered pater		eys 1	
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	lication (or "Fee Address 02 or more recent) attach		(2) the name of a sin registered attorney o 2 registered patent at listed, no name will t	torneys or agents. If	es of up	o to c is 3	
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or t	ype)		· · · · · · · · · · · · · · · · · · ·	
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4a. The following fee(s)	are submitted:	4t	o. Payment of Fee(s): (Pl		ny previ	iously paid issue fee s	hown above)
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

Alexandria, Virginia 22313-1450.

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	Application No.	Applicant(s)
	10/799,782	ULLRICH ET AL.
Notice of Allowability	Examiner	Art Unit
	Lorraine Spector	1647
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to RCE filed 6/16/10 and	d Terminal Disclaimer filed 10/14/10.	
2. The allowed claim(s) is/are <u>5 and 6</u> .		
<ul> <li>3. Acknowledgment is made of a claim for foreign priority ur</li> <li>a) All b) Some* c) None of the:</li> <li>1. Certified copies of the priority documents have</li> <li>2. Certified copies of the priority documents have</li> <li>3. Copies of the certified copies of the priority do</li> </ul>	been received. been received in Application No	
International Bureau (PCT Rule 17.2(a)).	currents have been received in this	lational stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>		
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.	·
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawin he header according to 37 CFR 1.121(c	ngs in the front (not the back) of i).
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT</li> </ol>		
Attachment(s) 1. □ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	• •
<ol> <li>Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>6/16/10</u></li> </ol>	Paper No./Mail Dat 7. ☐ Examiner's Amendr	e
Examiner's Comment Regarding Requirement for Deposit of Biological Material	<ol> <li>8. ⊠ Examiner's Stateme</li> <li>9. □ Other</li> </ol>	nt of Reasons for Allowance
/Lorraine Spector/, Ph.D. Primary Examiner, Art Unit 1647	5. [ Other	

Application/Control Number: 10/799,782

Art Unit: 1647

### REASONS FOR ALLOWANCE

Page 2

The following is an examiner's statement of reasons for allowance:

The terminal disclaimer filed on 10/14/10 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent Number 5,851,999 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### Conclusion

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Lorraine M. Spector. Dr. Spector can normally be reached Monday from 8:00 A.M. to 4:30 P.M., and Tuesday, Thursday and Friday, 8:00 A.M. to 2:00 P.M. at telephone number 571-272-0893.

If attempts to reach the Examiner by telephone are unsuccessful, please contact the Examiner's supervisor, Dr. Gary Nickol, at telephone number 571-272-0835.

Certain papers related to this application may be submitted to Technology Center 1600 by facsimile transmission. The faxing of such papers must conform with the notices published in the Official Gazette, 1156 OG 61 (November 16, 1993) and 1157 OG 94 (December 28, 1993) (see 37 C.F.R. § 1.6(d)). NOTE: If Applicant does submit a paper by fax, the original signed copy should be retained by applicant or applicant's representative. NO DUPLICATE COPIES SHOULD BE SUBMITTED so as to avoid the processing of duplicate papers in the Office.

Official papers filed by fax should be directed to 571-273-8300. Faxed draft or informal communications with the examiner should be directed to 571-273-0893.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lorraine Spector, Ph.D. /Lorraine Spector/ Primary Examiner Art Unit 1647 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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	Substitute for form 1449/PTO			Complete if Known		
	INFORMATIO	N DISC	LOSURE	Application Number	10/799,782	
	STATEMENT	BY APP	LICANT	Filing Date	3/15/2004	
Date Submitted: June 16, 2010		First Named Inventor	Axel ULLRICH			
	Date Submitte	a. Julie	10, 2010	Art Unit	1647	
	(use as many sh	neets as	necessary)	Examiner Name	Spector, Lorraine	,
Sheet	1	of	1	Attorney Docket Number	017853-0145	

U.S. PATENT DOCUMENTS					
Examin	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
er Initials*	No.1 Number-Kind Code <sup>2</sup> lift	MM-DD-YYYY	, and the production	Passages or Relevant Figures Appear	

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ6	
						<b>†</b>	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т <sup>6</sup>
	A1	Wells, "Additivity of Mutational Effects in Proteins," <i>Biochemistry</i> , Vol. 29, No. 37, pp. 8509-8517 (1990).	
	A2	Attwood, "The babel of Bioinformatics," Science, Vol. 290, pp. 471-473 (2009).	<del> </del>
	А3	Stolnick et al., From Genes to Protein Structure and Function: Novel Applications of Computational Approaches in the Genomic Era," <i>TIBTECH</i> , Vol. 18, pp. 34-39 (2000).	<del> </del>
	A4	Comparison of amino acids 1-806 of SEQ ID NO: 2 with PDGFR (human; Accession Number NP_002600), 2/15/2010, 4 pgs.	
	A5	Comparison of amino acids 1-806 of SEQ ID NO: 2 with EGFR (human; Accession Number AAH94761), 2/15/2010, 3 pgs.	
	A6	Comparison of amino acids 1-806 of SEQ ID NO: 2 with FGFR1 (human; Accession Number AAH15035), 2/15/2010, 5 pgs.	

Examiner Signature	/Lorraine Spector/	Date Considered	08/25/2010

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.